

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,101,993 B1  
APPLICATION NO. : 07/967267  
DATED : September 5, 2006  
INVENTOR(S) : Phillip Dan Cook

Page 1 of 4

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page

1) Title Page:

Item [63], Related U.S. Application Data, please delete

"Continuation-in-part of application No. 07/918,362, filed on Jul. 23, 1992, now Pat. No. 5,506,351, which is a continuation-in-part of application No. 07/463,358, filed on Jan. 11, 1990, now abandoned, which is a continuation-in-part of application No. 07/566,977, filed on Aug. 13, 1990, now abandoned"

and insert therefore

--Continuation-in-part of application No. 07/918,362, filed on Jul. 23, 1992, now Pat. No. 5,506,351, and application No. PCT/US91/00243, filed on Jan. 11, 1991, which is a continuation-in-part of application No. 07/566,977, filed on Aug. 13, 1990, now abandoned, and application No. 07/463,358, filed on Jan. 11, 1990, now abandoned--;

Title Page

2) Page 2, OTHER PUBLICATION, "Robins" reference, please delete "2-aminoadenosine" and insert therefore --2-aminoadenosine--;

3) Column 1, line 8, please insert --and Ser. No. US91/00243 filed on Jan. 11, 1991-- between "5,506,351" and "which";

4) Column 2, line 19, please delete "2-O-alkylated" and insert therefore --2'-O-alkylated--;

5) Column 5, line 22, please delete ".:";

6) Column 9, line 5, please delete "NH<sub>2</sub>" and insert therefore --NH<sub>2</sub>--;

7) Column 9, line 5, please delete "(2NH<sub>2</sub>)" and insert therefore --(2NH<sub>2</sub>--;

8) Column 9, line 8, please delete "N,N-diisopropylaminochlorophosphine" and insert therefore --N,N-diisopropyl aminochlorophosphine--;

9) Column 11, line 1, please delete "similarly" and insert therefore --Similarly--;

10) Column 13, line 44, please delete "C<sub>13</sub>H<sub>20</sub>N<sub>6</sub>O<sub>4</sub>.½H<sub>2</sub>O: " and insert therefore --C<sub>13</sub>H<sub>20</sub>N<sub>6</sub>O<sub>4</sub>.½H<sub>2</sub>O:--;

11) Column 13, line 47, please delete "B";

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- 12) Column 14, line 6, please delete “O-CH<sub>2</sub>)” and insert therefore --O-CH<sub>2</sub>)--;
- 13) Column 14, line 34, please delete “C<sub>17</sub>H<sub>25</sub>N<sub>5</sub>O<sub>6</sub>.½H<sub>2</sub>O: ” and insert therefore --C<sub>17</sub>H<sub>25</sub>N<sub>5</sub>O<sub>6</sub>.½H<sub>2</sub>O:--;
- 14) Column 14, line 48, please delete “CH<sub>2</sub>Cl<sub>2</sub>/2xdil” and insert therefore --CH<sub>2</sub>Cl<sub>2</sub>/2x dil--;
- 15) Column 14, line 57, please delete “C<sub>38</sub>H<sub>42</sub>N<sub>5</sub>O<sub>8</sub>.H<sub>2</sub>O: ” and insert therefore --C<sub>38</sub>H<sub>42</sub>N<sub>5</sub>O<sub>8</sub>.H<sub>2</sub>O:--;
- 16) Column 16, line 26, please delete “C<sub>40</sub>H<sub>47</sub>N<sub>5</sub>O<sub>8</sub>.½H<sub>2</sub>O: ” and insert therefore --C<sub>40</sub>H<sub>47</sub>N<sub>5</sub>O<sub>8</sub>.½H<sub>2</sub>O:--;
- 17) Column 17, line 12, please delete “3'-OH5'-OH” and insert therefore --3'-OH 5'-OH--;
- 18) Column 17, line 30, please delete “C2” and insert therefore --C<sub>2</sub>--;
- 19) Column 18, line 9, please delete “<sup>1</sup> H” and insert therefore --<sup>1</sup>H--;
- 20) Column 18, line 20, please delete “D-ribo-furanosyl” and insert therefore --D-ribofuranosyl--;
- 21) Column 19, line 57, please delete “3'-OH)” and insert therefore --3'-OH)--;
- 22) Column 19, line 59, please delete “C<sub>21</sub>H<sub>22</sub>N<sub>6</sub>O<sub>7</sub>.½H<sub>2</sub>O: ” and insert therefore --C<sub>21</sub>H<sub>22</sub>N<sub>6</sub>O<sub>7</sub>.½H<sub>2</sub>O:--;
- 23) Column 20, line 9, please delete “C<sub>25</sub>H<sub>28</sub>N<sub>6</sub>O<sub>8</sub>.½H<sub>2</sub>O: ” and insert therefore --C<sub>25</sub>H<sub>28</sub>N<sub>6</sub>O<sub>8</sub>.½H<sub>2</sub>O:--;
- 24) Column 20, line 15, please delete “phthalimido)propylquanosine” and insert therefore --phthalimido)propylguanosine--;
- 25) Column 20, line 29, please delete “C<sub>46</sub>H<sub>46</sub>N<sub>6</sub>O<sub>10</sub>.H<sub>2</sub>O:”and insert therefore --C<sub>46</sub>H<sub>46</sub>N<sub>6</sub>O<sub>10</sub>.H<sub>2</sub>O:--;
- 26) Column 20, line 45, please delete “N2-Dimethylaminomethylidene-5=” and insert therefore --N2-Dimethylaminomethylidene-5'- --;

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- 27) Column 20, line 53, please delete "1xwith" and insert therefore --1x with--;
- 28) Column 20, line 65, please delete "C<sub>45</sub>H<sub>45</sub>N<sub>7</sub>O<sub>9</sub>.½H<sub>2</sub>O: " and insert therefore --C<sub>45</sub>H<sub>45</sub>N<sub>7</sub>O<sub>9</sub>.½H<sub>2</sub>O:--;
- 29) Column 21, line 60, please delete "C<sub>23</sub>H<sub>26</sub>N<sub>6</sub>O<sub>7</sub>.½H<sub>2</sub>O: " and insert therefore --C<sub>23</sub>H<sub>26</sub>N<sub>6</sub>O<sub>7</sub>.½H<sub>2</sub>O:--;
- 30) Column 22, line 3, please delete "2xwith" and insert therefore --2x with--;
- 31) Column 22, line 11, please delete "C<sub>27</sub>H<sub>32</sub>N<sub>6</sub>O<sub>8</sub>.½H<sub>2</sub>O: " and insert therefore --C<sub>27</sub>H<sub>32</sub>N<sub>6</sub>O<sub>8</sub>.½H<sub>2</sub>O:--;
- 32) Column 22, line 31, please delete "C<sub>48</sub>H<sub>5</sub>ON<sub>6</sub>O<sub>10</sub>.½H<sub>2</sub>O: " and insert therefore --C<sub>48</sub>H<sub>50</sub>N<sub>6</sub>O<sub>10</sub>.½H<sub>2</sub>O:--;
- 33) Column 22, line 39, please delete "2,6-diamino-9-(D-ribo-furanosyl)" and insert therefore --2,6-diamino-9-(D-ribofuranosyl)--;
- 34) Column 22, line 48, please delete "C<sub>22</sub>H<sub>40</sub>N<sub>6</sub>O<sub>5</sub>Si<sub>2</sub>½H<sub>2</sub>O: " and insert therefore --C<sub>22</sub>H<sub>40</sub>N<sub>6</sub>O<sub>5</sub>Si<sub>2</sub>½H<sub>2</sub>O:--;
- 35) Column 23, line 16, please delete "C<sub>11</sub>H<sub>16</sub>N<sub>6</sub>O<sub>4</sub>.½H<sub>2</sub>O: " and insert therefore --C<sub>11</sub>H<sub>16</sub>N<sub>6</sub>O<sub>4</sub>.½H<sub>2</sub>O:--;
- 36) Column 23, line 34, please delete "C<sub>11</sub>H<sub>15</sub>N<sub>5</sub>O<sub>5</sub>.½H<sub>2</sub>O: " and insert therefore --C<sub>11</sub>N<sub>15</sub>N<sub>5</sub>O<sub>5</sub>.½H<sub>2</sub>O:--;
- 37) Column 23, line 50, please delete "CH(CH<sub>3</sub>)<sub>2</sub>]" and insert therefore -- CH(CH<sub>3</sub>)<sub>2</sub>]--;
- 38) Column 24, line 6, please delete "N2-Isobutyryl-5'-dimethoxytrityl-2'-O-methyl-guanosine" and insert therefore --N2-Isobutyryl-5'-dimethoxytrityl-2'-O-methylguanosine--;
- 39) Column 24, line 16, please delete "D-ribo-furanosyl)" and insert therefore --D-ribofuranosyl)--;
- 40) Column 25, line 24, please delete "3'-OH5'-OH)" and insert therefore --3'-OH 5'-OH--;
- 41) Column 25, line 39, please delete "CH(CH<sub>3</sub>)<sub>2</sub>]" and insert therefore --CH(CH<sub>3</sub>)<sub>2</sub>]--;

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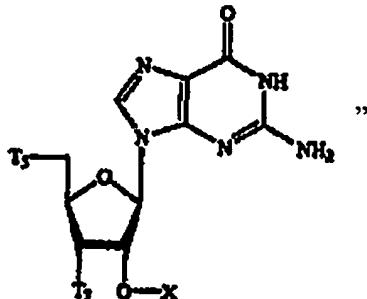
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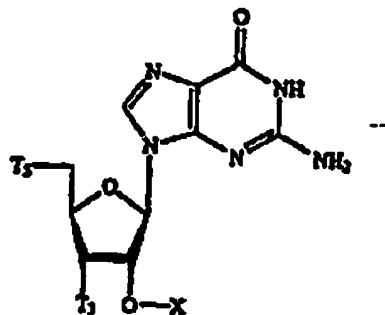
42) Column 25, line 62, please delete "2, 6-diamino-9-[3-O-]" and insert therefore --2,6-diamino-9-[3-O---;

43) Column 29, Claim 10, please insert --1-- between "claim" and "wherein";

44) Column 29, lines 17-27, please delete "



45) Column 29, claim 14, please insert --



between "structure: " and "wherein".

Signed and Sealed this

Nineteenth Day of December, 2006

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*